



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR FEB 2003

HIGHLIGHTS – Cairo stage began the month at 10.8 feet and ended at 46.09 feet. The stage was cresting at 46.09 on 28 February. Flood stage at Cairo is 40.0 feet.

WEATHER –The weather during February was cold and wet. Temperatures averaged well below normal for the month continuing the trend of January. Precipitation was well above normal for all portions of the basin except northern Indiana and western New York. A very strong winter storm on the 15th and 16th, brought very heavy rains of 6-8 inches to Tennessee, Eastern Kentucky and West Virginia. This storm also brought very heavy snows to Ohio and West Virginia.

TEMPERATURE AND PRECIPITATION – FEB 2003

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	26.4	-4.1	2.86	+0.49
Charleston, WV	33.9	-3.0	7.46	+3.19
Columbus, OH	26.9	-5.1	2.96	+0.76
Cincinnati, OH	28.3	-5.8	3.60	+0.85
Louisville, KY	31.4	-6.2	5.28	+2.03
Indianapolis, IN	25.3	-5.9	3.45	+1.04
Evansville, IN	31.5	-4.3	4.92	+1.82
Nashville, TN	38.0	-3.3	8.47	+4.78

STREAMFLOW -- Ohio River monthly average flows for February ranged from a low of 76 percent of normal at Pittsburgh, PA to a high of 118 percent of normal at Louisville, KY. Daily

flows ranged from a low of 25 percent of normal at Pittsburgh, PA to a high of 282 percent of normal at Huntington, WV.

The following table presents the flow data summary for February at the Ohio River Index Stations:

FLOW DATA – FEB 2003

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	37,000	76	267	25
Huntington, WV	134,000	104	282	35
Cincinnati, OH	188,000	113	254	33
Louisville, KY	228,000	118	241	31
Evansville, IN	252,000	108	233	27
Paducah, KY	520,000	110	211	27

RESERVOIRS -- February started with 1.9% utilization of the total system flood control storage and ended the month at 17.9%. System-wide augmentation storage increased from 94% at the beginning of the month to 99% by the end of the month. Significant flood storage utilization in excess of 50% occurred at: Yatesville 70%, Paintsville 70%, Cave Run 59%, Buckhorn 56%, J. P. Priest 55% and Martins Fork 52%; and storage in excess of 25% occurred at eighteen other projects located generally south of the Ohio River.

The following table depicts storage change by tributary reservoir subsystem for February:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+181,200
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+322,400
Twelvepole-Big Sandy-Little Sandy-Scioto	+70,000
Little Miami-Licking-Mill Creek-Great Miami	+244,100
Kentucky-Salt-Green-Wabash	+877,500

Cumberland	+2,119,500
TOTAL	+3,814,700

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